NSA Declassification/Release Instructions on File

Approved For Release 2002/08/26: CIA-RDP78-02820A000500020092-3

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	МО	NTHLY PROJEC	T REPORT			
ORIGINATOR(S)		BUDGET EST		l nenana .		
OC-E	FY	AMOUNT	# more of particular separate and confidence of the separate and the separate of the separate	REPORTING I	PERIOD	
				1 - 3	1 March 1959	
FUTURE	ACTIVE	ACTION		. The same of the contract of the contract of		
PROJECT NUMBER	PRIORITY CLASS		RESPONSIBILI	CELLED	SUSPENDED	-
E-5010	I	T K Tan.	EES	TY P	ROJECT ENGINEER 25	5X1
PROJECT TITLE .	maken and the second se		The second control of			
Received no Autom	na Multicoupler		,			
PROJECT REQUIREMENT To provide for multicoupler.	OC requirements	the best pos	sible rece	iving ant	enna	
To provide for multicoupler. PROJECT DESCRIPTION To monitor the if any of these	oc requirements commercial and m multicouplers p now used in oc	ilitary deve	lopments i		The second of the contract of	
To provide for multicoupler. PROJECT DESCRIPTION To monitor the if any of these replacing those	commercial and m multicouplers p now used in OC	ilitary deve	lopments i		The second of the contract of	the state of the s
To provide for multicoupler. PROJECT DESCRIPTION To monitor the if any of these replacing those	commercial and m	ilitary deve	lopments in icient impose		The second of the contract of	And the second s

During this reporting period, the NSA tests of the Westinghouse KM-1 multicoupler were received. These results substantiated all earlier findings in regard to performance.

In view of all test results at hand concerning the performance of this unit, it has been decided to standardise on the KM-1. A memorandum has been drafted and sent to OC-T, OC-SP, OC-P, and OC-S for their coordination.

Procurement will be initiated during the next reporting period provided all staffs agree that this unit should be adopted as standard.

		(When F	illed In)					
		MONTHLY P	ROJECT REP	ORT				
ORIGINATOR(S)		BUDGI	ET EST.	REPORTI	REPORTING PERIOD			
OC -E	FY	FY		1 Mar	1 March - 31 March 1959			
			ACTION					
I a service de la constante de	CTIVE	COMPL		CANCELLED		SUSPENDED		
PROJECT NUMBER	PRIORITY CLAS	5 5	PRIM. RESPO	NSIBILITY	PROJE	CT ENGINEER	7	
E-5020	I		FES				25X1	A9 <i>P</i>
PROJECT TITLE							_	
	Modification	n Work Orde	ers					
PROJECT REQUIREMENT	and the second s	Committee than the second of the control of the con		W 1 PROFESSION (1997)	the training and the second	and a hope and the second desired a second of the second desired and second desired and second desired and second desired as the second desired desired as the second desired desired as the second desired desired desired as the second desired desi		
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PROJECT DESCRIPTION		and a single state and a second section of the second section of	and delicities — the last or — last of the designations are provided to	erin polosopphia mili pir serin		where would a A will ST Ab data band to the later attention		
Reproduce nece Modification Work								
of distribution a					Dece	Lurne careac	Ty :	
		oo uppropri	2000 21000	•				
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							2	
APPROVAL DATE APPR	OVED BY		and the second s	STARTING DAT	E	COMPLETION DATE		
		AJW /s/		- 0 - 1			•	
		JJK /s/	and the second s	8 Febru	ary 55			
RIMARKS								
## ## ## ## ## ## ## ## ## ## ## ## ##			1				į	
MWO #28 - "Replaceme			y K-4 in R	T-4 Transmit	ter."			
Distribut	ion complet	ea.					į	
MWO #27 - "Modificat	ion of Tiny	Tot Model	"B" When	Switching fr	om "TI	" to "KBD"	and the state of t	
	." Distrib							
4								
MWO #29 - "Converting								
and Incre	ease Traffic	Capacity.	This MW	O is in the	TINGL	typing stage	•	
MWO #30 - "Modificat	ton of Tuni	ng Units T	U-55 and T	U-56 for Imp	rovins	the Perform	nance	
				ithin the 18				
				nal typing s			3	
				_				
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·						•	F. A.	
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Approved For Release 2002/08/26 : CIA RDP78 02820A000500020092-3

FORM. 1543

SECRET

		MONTHLY	PROJECT REPO	DRT			No.
ORIGINATOR(S) OC-E/OC-O+T	1 000321		ST. FY.		REPORTING PERIOD 1 - 31 March 1959		
□ FUTURE	ACTIVE	ם	COMPLETED	CANCELL	.ED C	SUSPE	NDED
PROJECT NUMBER E-5021	PRI	ORITY CLASS	PRIM. RSPN.	PROJECT	ENGINEE	R	25X1
PROJECT TITLE DF Development	and Repl	Acoment Pro	·	l			
DF. (d) Close PROJECT DESCRIPTION Investigat	standard (a) Semi range, l	y.FCC. and	compercial days	Le HF, DF.	(c) Port	able VH	
To provide requirements: DF. (d) Close PROJECT DESCRIPTION Investigat Compile a reponspecification gation be unfr	standard (a) Semi range, h e militar rt on the and recom uitful, p	y,FCC, and e latest deve	OF. (b) Portab	le HF, DF.	the fiel availabil	able VHI ld of DI Lity and	
To provide requirements: DF. (d) Close PROJECT DESCRIPTION Investigat Compile a reponspecification gation be unfr	standard (a) Semi range, h e militar rt on the and recom uitful, p	ry,FCC, and e latest deve mend equipme repare speci	ommercial development, includents for standar	le HF, DF. Lopments in ing cost, disation. he develop equirement	the fiel availabil	able Villed of Ditty and the investment	

25X1

During this reporting period, contacts were established with NSA and their approval was granted for a visit to Vint Hill, Va. for the purpose of viewing the new installation. It is expected that this installation will be completed during the next month, with the trip planned as soon as the unitsis operational.

(When Filled In)

		MONTHLY P	ROJECT REPORT		
URIGINATOR(S)		BUDGI	ET EST.	REPORTING	PERTOD
OC-E		FY	FY AMOUNT		ch - 31 March 1959
	The second secon	AC	CTION		
PROJECT NUMBER	X ACTIVE	COMPL		NCELLED	SUSPENDED
	PRIORITY	CLASS	PRIM. RESPONSIBIL	ITY	PROJECT ENGINEER
E-5037	A Section 1	II	FES		
PROJECT TITLE	4 * CONTACT TO COM	* Total Committee Committe			26)
	Technic	eal Bulletins			
PROJECT REOUIREM	fNT	had dag hay into it to take in the homeon it is to use or in the combination and it is use	e Managaminga da sida sinamund esta e la major est, de esta elementa un matematica de major sua.	Andrews and the second second second	and the second section of the second
To kee	en the field sunn	olded with annu	- 4 4 7 7		
general o	ep the field suppoperation.	TIEG AICH CALL	ent technical	informati	ion pertinent to
PROJECT DESCRIPT		The second secon	and will all the east to be a few more than the sections will be a considered by a section.	The second secon	entre approximation of the second section and discount of the second section (As a second section)
Con			•		
determina	echnical literat	ure to determi	ne and select i	tems for	field distribution,
200002,	trrange approval	and coordination	on, and forward	to appr	opriate areas.
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	Laste				
	194				
A' CACVAL DATE	A D C FLOAD L Co.	* The second dispersion of the second			
4 PACEST DATE	APPROVED BY	AJW /s/	STAR	TING DATE	COMPLETION DATE
		JJK /s/	2 1	ebruary	156
FIMARK 1	90 001 X X Y			eoruary	70
TB #24	- FHB #90-1007-1	, "Impedance M	atching with a	Trollev	Meter "
	This bulletin	was sent to re	production and	will be	issued next month.
mp #0=					
TB #<>	- FHB #90-1003-1	, "Performance	and Design of	Sloping	Vee Antenna,"
	DIRECTION C	o me riera coi	mpleted. 20 ac	ditional	conied have here
	requested from	reproduction	to satisfy Head	lquarters	requirements.
TB #27					
2D //C1	- FHB #90-1004-1	, Extending E.	Lectron Tube Li	fe w/Tub	e Shields,"
	for issue as a	s perug derayed	until tube sh	ield cat	alogs are received
	for issue as a	anbbreweur ro	this bulletin.		•
TB #28	- FHB #90-1005-1	. "Field Aliana	ment of daily	E1	ceiver using 100 kc.
"	Oscillator en	Gianal Comen	ment of Collins	DI-1 Ke	ceiver using 100 kc. the Field completed.
	ARCTITUTOI UN S	TOTRIBLE CONTINUES	TOP " Distant	33+i A- 4-	46- 101-11

TB #29 - FHB #90-1006-1, "Teflon Safety Precautions," Distribution completed.

SECRET

	HTROM	LY PROJECT RE	PORT	*		
ORIGINATOR(S)	BUDGET ES	T.FY.		REPORTING PERIOD		
		1 -	1 - 31 March 1959			
□ FUTURE Q	ACTIVE [COMPLETED	MPLETED CANCELLED		ENDED	
PROJECT NUMBER E-5053	PRIORITY CLAS	S PRIM. RSP	N. PROJECT	ENGINEER		
PROJECT TITLE						
	URT-11 Power	Supply Areing				
PROJECT REQUIREMENT			teri antariario nas et il 1800 e in antariario canapo talignosta de p ersona _{tro} , con estimato	disampanya sa anganina sa sa	J. M. Marie I. May replain to the convention of	
PROJECT DESCRIPTION Preliminary invinsufficient voltage The problem will be recommendations. Constraint of the distributed as a Mo	estigation has i e ratings of the turned over to orrective measu	indicated this a components. It a consulting for eliminates	It may be caus irm for invest	ed by a reson igation and	y ance.	
Approval Date 15 September 1955	APPROVED WAB JJK		DATE tember 1955	COMPLETION DA	TE	

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A satisfactory modification has been devised whereby the transient voltage has been reduced to a value which does not exceed the normal A.C. peak voltage (measured from the high voltage terminal to grounded center top) of the HV power transfermer. This is well within the rating of the power supply components.

This modification consists of swamping resistors placed across the secondary of the high-veltage transformer in such a manner that when the DC supply begins to supply current a normally closed relay opens and removes the resistors from across the transformer secondary. During the next reporting period a transmitter will be modified and submitted to a life test. A modification work order will be prepared.

		MONTH	LY PROJECT REPO	RT	
11.1.NA(08(18)		FY	RUDGET EST.	RLPORTING F	PER IOD
OC-P				1 -	31 March 1959
The Control of the Co	the same and		ACTION		
1 : (* · R)	X ACTIVE		COMPLETED	CANCELLED	SUSPENDED
SOFCE NUMBER	PRIORITY	CLASS	PRIM. RESPON	SIBILITY	ROJECT ENGINEER 25
E-5060		I	· · · · · · · · · · · · · · · · · · ·	DS	
DECEMBER		•	i semperatus ar	23	
			,		
Strate	gic Reserve Pr	rogram			
COLDET RIGITREMENT					
To pro	vide readily a	available	transportable	type package :	radio stations at
convenient	locations thro	mahout th	a world for im	mediate instal	lation and
CONTACHTORY	TO A C T T T T T T T T T T T T T T T T T T	THE TOUR OF	TO MOTION TOT THE		
				#C02000 1112000	
	use in the ev				
operational					
operational	use in the ev	vent of an	emergency.		
operational	use in the ev	materials	emergency.	13, 15, and 2	20 position
operational To pro transportab	vide bills of le type package	materials ge radio s	for 2, 5, 10, stations with s	13, 15, and 2	20 position r plan layouts
operational To pro transportab	vide bills of le type package	materials ge radio s	emergency.	13, 15, and 2	20 position r plan layouts
operational To pro transportab	vide bills of le type package	materials ge radio s	for 2, 5, 10, stations with s	13, 15, and 2	20 position r plan layouts
operational and a made made in the control of the c	vide bills of le type package	materials ge radio s	for 2, 5, 10, stations with s	13, 15, and 2	20 position r plan layouts
operational and a made made in the control of the c	vide bills of le type package	materials ge radio s	for 2, 5, 10, stations with s	13, 15, and 2	20 position r plan layouts
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operational To pro transportab and standar	use in the ev	materials ge radio s	for 2, 5, 10, stations with s	13, 15, and 2 uggested floor t equipment ut	20 position r plan layouts cilization.
operational To pro transportab and standar	use in the ev	materials ge radio s rams to pr	for 2, 5, 10, stations with s	13, 15, and 2 uggested floor t equipment ut	20 position plan layouts cilization.

Various discrepancies in the Bills of Materials for the 5, 10, 15, and 20 Position Transportable Stations have been discovered in the present revision of the stockpile. These discrepancies consist of items currently classed as limited standard and substitutions have been recommended.

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		THLY PROJECT		171	
ORIGINATOR(S)	BUDGET	Est. FY.	REP	ORTING PERIOD	11
OC -S		AMOUNT		1 - 31 March 1	.959
FUTURE	ACTIVE .			ELLED D S	USPENDED
PROJECT NUMBER	PRIORITY CL	ASS PRIM. R	SPN. PROJE	CT ENGINEER	25
E-5071 PROJECT TITLE	I	SDS SDS			20
PROJECT REQUIREMENT		ro-Magnetic Radi	ay may mit di san di na e s'i sal Milaja di laja di dinas mengabinan na	*	
The present up to 15 feet from agnets; reducting to the normal firecordings to be and combinations	Tiny-Tot has de om the unit. De ons of magnet cu eld; and use of made on an osci	etermine the rad irrent; use of d external maskin	liation reduc dummy magnets ng elector-ma	tion by: shiel wired in opporting field.	lding the osition Radiatio
*					
APPROVAL DATE	,		ING DATE	COMPLETION	DATE
29 October 1956		/JJK/ 29 00	ctober 1956	4	
29 October 1956 The rough provide radiat this reporting	draft of MWO No ion suppression period. Copies ring May. The m	29 Which cove on Tiny Tots wa for distributi	etober 1956 ers modifications completed a conto the field which have	one required and edited dured are expect	to ing

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	MONTHLY	PROJECT REPORT	r	•	
ORIGINATOR(S)	BUDGET EST.F	Υ.	REPORTING		
OC-E	A	MOUNT	1 - 31	March 1959	_
FUTURE DAG			CANCELLED Suspe		5X1A
PROJECT NUMBER E-5085	PRIORITY CLASS	PRIM. RSPN. SDS	PROJECT FNG	INFER	
PROJECT TITLE			?		
Communications Syst	ems Planning for	New Headquarters	Building		
equipment that will ing to meet Agency PROJECT DESCRIPTION	communications re	installation in iquirements.	the new Headq	uarters Build-	_
equipment. To meet Operations, Enginee Building Planning S building. To prepa floor plans and equ	ering, snd Securit Staff to discuss c are a list of the	epresentatives of presentatives of presentations, and communications receipment that we	the Message the OC membe quirements fo ill be requir	r of the New r the new	
PPROVAL DATE	APPROVED WAB /s/	STARTING DAT	E. Com	PLETION DATE	-
		January 19	57		1
January 1957				The state of the s	-
	eporting period co new building were	opies of revised o obtained from t	drawings of t	the signal ng Planning	

DEVAN	i de la companya de l		WhithLY PROJECT	REPORT	
25X1A		A. M.	EST. EY	REPORTING	PERIOD
	XC-C#P		Arrana	1 - 31 No	rch 1959
	A TENER	T ACTIVE	D COMPLETED	CANCELLED	Suspended
	3 - 27.69	PRIGRITY	CLASS PRIM, R	SPN. PROJECT EN	GINEER 25X1AS
	Podest State	Selective Ca	lling Systems	to transition Age 118	
	TATLECT REQUIREM	NT	a di distributione di servici de descriptore del 1900 de 1905 de	WATER A security of the manufacture of the second section and the second section of the secti	
	unattended wat	cu berrous of e	mergency situation	stations may be a	
4	i MARCELLE MITTE 3	igate and compined information	le a listing of al as purpose, opera	l types of selecti tional, technical	ve calling and physical
•	characteristic	s, and cost.	and technical eva	I types of selecticional, technical	and physical
	dimresteristic (ic select	och informations, and cost. Ly operational of these system	and technical eva	luations, if neces	and physical

During this reporting period, the scope of the selective calling project has been thoroughly discussed with OC-E. These discussions led to a re-evaluation of the requirement for selective calling. Hence, OC-W is preparing a memorandum setting forth the most recent requirements, including size, emission, and urgency.

At the same time, action has been initiated to collect all available data on the RMCA selective calling system and to investigate the possibility of development of a small, battery operated encoder to work into the RMCA decoder.

		MONTH	ILY PROJECT REPOR	aT .	
	OC-E/OC-O+T		ST.Fy. Amount	REPORTING PERIOD 1 - 31 March 1959	
□ FUTUR	E CA AC	TIVE	COMPLETED	CANCELLED	SUSPENDED
PROJECT E-5		PRIORITY CLAS	PRIM. RSPN.	PROJECT ENGIN	25X1A
PROJECT Voi	TITLE se Link for 6-8	ST .	nema mandana mada a ana sa angan sa mana manananan sa		
		m onemstdon	• 25X1A20	G	ţ
PROJECT	se a voice link receiver vans.	stall in the to capable of po	wo 6-ST units current roviding communicat	ntly at the ion between the wing capabilitie	ware- 25%1A0
PROJECT housand	Description Design and insee a voice link receiver vans. a. Power b. Be por c. Work is anten Once the above	tall in the trace capable of property and randratable or work into the present a system.	mo 6-ST units current	ntly at the ion between the wing capabilities to MUX link. In an extra ports are or provide a	transmitter s: ble unit. separate

Investigation of the audio amplifier and modulator circuitry of the 6 ST VHF MUX system has disclosed the fact that any voice communications utilizing a keyed microphone will require internal changes in order to prevent interference. Briefly, the abrupt change in signal introduced by keying the microphone and by beginning to speak is seen by the modulator as a high frequency component, resulting in interference on the higher VFC channels. To overcome this problem, a low pass interstage filter will be installed between the last audio (voice) amplifier and the modulator.

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			(When Fil	led In)				
		THOM	THLY PRO	JECT REP	ORT			
ORIGINATOR(5)			BUDGET	EST.	· · · · · · · · · · · · · · · · · · ·	REPORTING PE	RIOD	
OC-E	OC-E FY58		AMG	AMQUNT \$5,000		1 - 31 March 1959		
The second of th		ACTION						
FUTURE	X ACTIVE		COMPLET			CELLED	SUSPENDED	
PROJECT NUMBER	PRIORITY	CLASS		PRIM. RESPO	NSIBIL	TY PR	OJECT ENGINEER	
E-5105		I	ļ	E	ES	,	•	25X
PROJECT TITLE .	·- L = = ===============================	en in the same of						
HT-4 Excite	er Modificatio	n						
PROJECT REQUIREMENT	a transported resignation or the estimate of the contract of t	r. A. S. Million W. H In the administration of					reservant vanor de state de elegativa de marche de trabas rigida delibria como con special representa establica	
Some of the	HT-4 transmi	tters do	not he	we suffi	cient	output fr	om the exciter	
between 18	and 30 megacy	cles to	drive t	he power	ampl	lfier to f	ull output.	
PROJECT DESCRIPTION					Average as 6 a second	and the state of t	physiophysia activities and other papers reason or states in the separate	
The exciter	circuitry wi	ll be in	vestics	ted to f	ind m	athods of	inomeseine	
its output	in the 18 to	30 megac	ycle re	nge Am	y cha	ores neces	sarv will be	
kept as sin	mle as possib	le. An	outside	consult	ing f:	lrm may be	called in on	
this proble	m if addition	al help	is need	ed. When	n the	exciter d	rive is increased	i
to the prop	er level, mod leation Work O	iricatio	n kits	will be	nade 1	up to be u	sed in conjunction)D
ATOM PENETTY	CAULON HOLD O	LAMEL MAP	(rev	ised).				
	•							
APPROVAL DATE	APPROVED BY				STAR	TING DATE	COMPLETION DATE	
August 1957	/A	JW/			į	lugust 195'		
	<u>/J</u>	JK/			1	august 199		
REMARKS	and the second s	Vite of the state of the st	and the second second			a new management or enquiry the sign of the	well-continues amounts a service day (1994) as a service of the service of	*** *** **

The Modification Work Order was tested by having it performed by an inexperienced technician and found to be satisfactory. It will be published as MNO NO. 30, optional.

Fifty modification kits have been requisitioned and will be placed in stock.

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			ROJECT REPORT		:	, *
IGINATOR(S)		BUDGET EST. FY.		REPORTING	PERIOD	
OC-E		Амо	OUNT '	1 - 31 M	arch 1959	
FUTURE	Z ACTIVE	COM	APLETED	CANCELLED	SUSPEN	DED
DJECT NUMBER	PRI	ORITY CLASS	PRIM. RSPN.	PROJECT EN	GINEER	-
E-5115		I	E33			2
ncealable Trans	mitter-Re	eceiver Equipme	mbile/AC Utilite in the Frequirements no ency and flexibi	ency Bands cessitates	of 25-54 mcs the selec-	
ility for proving the other Age of Description To determine the symmetry available remaitter-Received for standars	iding comency requion ne by evaluer by eval	nunications systements. luation and cond, Mobile/AC Utpments. Suital	the Office of Costem in support marison the bestility, Portable ble units will be suitable equipments	of surveill et of a numb e and Body C be selected ments are n	er of commer- concealable and recommend ot available	ded.
ROVAL DATE	APPRO	VED	STARTING DATE	. Co	MPLETION DATE	E
	7.17 1.10	GBG	_		. ;	
March 1958 -		KAA	- March 195	3		
Fixed:						
Laboratory, Mot capable of up t Utility equipme	torola, and to 330 was sent.	nd General Electric output and us obtained wil	rom Lenkurt, RCA stric concerning compatible with al provide a bas on.	VHF power our presen	amplifiers t Mobile/A.C.	
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O C O R E T

RIGINATOR(S) OC-E		BUDGET EST. F.	Y. MOUNT	1	TING PERIOD 31 March 1959	a nagadysty ny dronatra orana ara a sa sa sa
FUTURE 5	ACTIVE	O C	OMPLETED [CANCEL	ED 🗖 Su	SPENDE
ROJECT NUMBER	PRIO	RITY CLASS	1	PROJEC	T ENGINEER	25)
E-5120		I	<u> </u>			suppose of the production
ROJECT TITLE	ent Conve	erter field s	and Evaluation o	f Diversi	tv Reception	System
		gat makay in a sawakkayan in sayakingka waqaagka waxaanin saaninagki naanini . saa sina in da	was an hoping demandable for the household in a suit to the definition and pre-construction of the definition and pre-construction of the definition and pre-construction of the definition and the definition of	under one of the	material after as you say meeting a grant regard adoptions addition of ballion fills.	-
OJECT REQUIREMENT						
Review wha	t is cur	rently on the	market to dete	rmine if	there is an	
economically s	uitable :	replacement 1	or the Northern	107 Mode	1 2 Frequency	y
Childh Cantrasta	m Manhata	eventua the of	ath vo panetravi	advantage	s of space/fi	requen
SHITE COMAGE CE	To TO MEN	STINITIGE CITY 24	FACTICARD OF ATE	mid act 4 Xv		-
diversity rece	ntion sy	stems for pos	sible Agency ap	plication		
diversity rece	ntion sy	stems for pos	sible Agency ap	plication	art and common	 h1w
Prenare a	comparise	on chart of a	all Frequency Sh	ift Conte	rters current	tly
Prepare a	comparise	on chart of a	all Frequency Sh	ift Conte Hoffman	rters current CV-116, North	tly bern
Prepare a being produced 107 and 174. e	comparison, such as	on chart of a the Westrer determine whi	all Frequency Sh k 50-B, TMC CFA, ich is the most	ift Conte Hoffman suitable	erters current CV-116, North unit to meet	tly bern
Prepare a being produced 107 and 174. e	comparison, such as	on chart of a the Westrer determine whi	all Frequency Sh	ift Conte Hoffman suitable	erters current CV-116, North unit to meet	tly bern
being produced	comparison, such as	on chart of a the Westrer determine whi	all Frequency Sh k 50-B, TMC CFA, ich is the most	ift Conte Hoffman suitable	erters current CV-116, North unit to meet	tly bern
Prepare a being produced 107 and 174. e	comparison, such as	on chart of a the Westrer determine whi	all Frequency Sh k 50-B, TMC CFA, ich is the most	ift Conte Hoffman suitable	erters current CV-116, North unit to meet	tly bern
Prepare a being produced 107 and 174. e	comparison, such as	on chart of a the Westrer determine whi	all Frequency Sh k 50-B, TMC CFA, ich is the most	ift Conte Hoffman suitable	erters current CV-116, North unit to meet	tly bern
Prepare a being produced 107 and 174. e	comparison, such as	on chart of a the Westrer determine whi	all Frequency Sh k 50-B, TMC CFA, ich is the most	ift Conte Hoffman suitable	erters current CV-116, North unit to meet	tly bern
Prepare a being produced 107 and 174. e	comparison, such as	on chart of a the Westrer determine whi	all Frequency Sh k 50-B, TMC CFA, ich is the most	ift Conte Hoffman suitable	erters current CV-116, North unit to meet	tly bern
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Since the Westrex Model 50-B cannot be delivered before 3 April 1959, the contractor has been instructed to perform environmental heat tests on the three AF shift convertors, i.e. TMC Model CFA and Northern Models 107 and 174.

(When Filled In)

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PRODUCT DESCRIPT	KY-1. 10N A Voice o	perated re			the office of	2

The NSA engineers have not completed the investigation of the inherent time delay experienced between the time the push to talk button is depressed and the time the KY-1 system is ready to pass traffic. Their recommendations should be forthcoming in the near future.

A transistorized VOR has been assembled by the R+D Lab which appears to fit into the KY-1 system quite well. Most of the circuitry used has been proven in other equipment developed by the R+D Lab so that very little additional development work should be required.

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PROJEC E-512	T NUMBER	PRI	ORITY CLASS	PRIM. RSPN.	PROJECT ENG	INECE	25X
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PROJEC Sun van and	pport requirious communithe preparents	red will onications aration of	consist of determines as cost estimates drawings.	ailed systems e	the cognizant terials and al	divisions	

Procurement action for a 200 KW General Motors twin diesel motor generator and accessories was initiated. This provides a 3rd generator set at the site and is to be used for stand-by operation. The request was made by OC-SP. The field was notified.

A dispatch was originated revising the ordering information for 200 KW twin generators. Specifically, parts ordered for 60 cps generator units will use No. 12205 while parts for 50 cps units will order under No. 12203.

High lift pumps with belt sets were ordered for delivery to the field for use with the two 200 KW units now in operation. The third unit under procurement includes this pump.

Information was sent to the field stating that the presently installed switchboard can be modified for providing tie-in for the third generator as stand-by, but will not accommodate distribution of 600 KW. If the total load reaches 600 KW a new switchboard will be required.

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Delivery of the five modification kits has been delayed until early April. Procedures for the modification have been agreed upon.

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REMARKS	ngineering m	odel of	the CP	-5 Control	Pane	has bee	en inspected	

by the Operational Requirements Section of OC-T. At their request the following specifications have been incorporated .

- A) A power transformer capable of operating from either 110 or 220 volt 50/60 cycle power mains.
 - B) Line fuse mounted on the front panel.
 - C) Auxiliary A.C. receptable mounted on rear panel (fused).

In addition, a mounting panel will be designed to facilitate rack mounting.

The CP-5 is packaged in the form of a book measuring 7^{1}_{1} wide X 5^{1}_{2} deep X 3" high. Control panel labeling and rubber mounting feet can be readily re-arranged to facilitate either horisontal or vertical mounting.

Electrical and mechanical drawings have been completed. Necessary arrangements will now be made to initiate the fabrication of the CP-5 Control Panel.

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Specifications and drawings of the AL-1 were sent to one manufacturer. They will fabricate the five units at a cost of \$510 each. This price is considerably more than what was expected.

The specifications and drawings have been sent to another manufacturer for another bid.

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Two 882-5 electronic monitors have been requisitioned on extended loan basis from the Air Force. Tentative delivery is scheduled in April.

The Air Force SSE-5 line monitor shows considerable premise so no further development work will be done until the SSE-5 is theroughly tested and evaluated.

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All components are being assembled by the contractor. Construction of the unit will begin in the near future.

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Informal discussions with impresentatives of OC-MD and MEA indicated that further requests for engineering assistance are not contemplated in the near future. This project, therefore, is considered as completed and will not be reported on further.

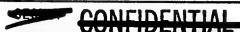
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During this reporting period, the contractor has completed the engineering model and is beginning an evaluation of the circuitry. Upon satisfactory completion of this evaluation, the contractor will begin fabrication of the initial unit, eventually carmented for Agency evaluation prior to acceptance of the entire order.

Approved For Release 2002/00/20 . CIA-RDF

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Our specifications on the medium and high frequency transmitters and antenna tuner were forwarded by OL to various contractors for bids. Bids are due on 17 April.

The use of "Butler" type portable shelters was investigated. These seem to be practical for use as a combination studio/transmitter room.

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The protetype One-Position Station was received during this reporting period and assembled in Room 2050, Alcott Hall. It is planned to demonstrate the unit to the various OC Operations Divisions and receive their comments before writing final specifications.